

# Activity Guide - Waves

## Sound Orchestra

— \*Sound Slides: 9-10

### Overview

#### Objectives

- Make connections between sound wavelength/amplitudes and what we hear
- Embody principles of wavelength and amplitude in whole body movement and sound-making

#### Guiding questions

- In reference to each sound/movement:
  - Does this sound have a narrow or wide wavelength? What is the pitch?
  - Does this sound have a tall or short amplitude? What is the volume?

#### Materials needed

- None

#### Space needed

- Whole classroom with open space is ideal

**Time allotment: 15 minutes**

**Number of students: All students**

### Instructions

1. [There are 4 sounds and corresponding movements.](#) Learn these sounds and corresponding movements as a group, practice them one at a time.
2. Feel free to create your own 4 sounds/movements with your class instead (thinking about pitch (width) and volume (height))!
3. Once students have had a chance to practice each of the 4 sounds/movements, split the group into 4 quadrants.
4. Assign a sound/movement to each group.
5. [Teacher acts as conductor, pointing to each group to make their sound/movement.](#)
  - Can up the complexity by playing multiple groups at once.
  - Can also play with amplitude, having students play big/loud at large amplitude or small/quiet at small amplitude

